

Table C-56. Federal obligations for research performed at universities and colleges for selected agencies, by detailed field of science and engineering: fiscal years 1999, 2000, and 2001

[Dollars in thousands]

Field of science and engineering	1999	Preliminary	
		2000	2001
Total, all fields	12,776,067	14,219,201	15,201,869
Life sciences, total	8,091,094	9,232,385	9,687,595
Biological (excluding environmental)	4,288,328	NA	NA
Environmental biology	194,666	NA	NA
Agricultural	202,748	NA	NA
Medical	3,141,633	NA	NA
Life sciences, n.e.c.	263,719	NA	NA
Psychology, total	325,569	383,686	402,461
Biological aspects	14,246	NA	NA
Social aspects	11,855	NA	NA
Psychological sciences, n.e.c.	299,468	NA	NA
Physical sciences, total	1,322,760	1,393,202	1,499,811
Astronomy	196,996	NA	NA
Chemistry	380,705	NA	NA
Physics	628,655	NA	NA
Physical sciences, n.e.c.	116,404	NA	NA
Environmental sciences, total	696,105	728,039	809,285
Atmospheric	202,584	NA	NA
Geological	143,948	NA	NA
Oceanography	240,596	NA	NA
Environmental sciences, n.e.c.	108,977	NA	NA
Mathematics & computer sciences, total	662,983	702,490	829,000
Mathematics	131,264	NA	NA
Computer sciences	506,284	NA	NA
Mathematics & computer sciences, n.e.c.	25,435	NA	NA
Engineering, total	1,046,107	1,096,687	1,229,523
Aeronautical	72,452	NA	NA
Astronautical	40,957	NA	NA
Chemical	74,586	NA	NA
Civil	44,815	NA	NA
Electrical	192,238	NA	NA
Mechanical	77,957	NA	NA
Metallurgy & materials	241,172	NA	NA
Engineering, n.e.c.	301,930	NA	NA
Social sciences, total	231,398	257,798	279,650
Anthropology	11,031	NA	NA
Economics	52,305	NA	NA
Political science	5,325	NA	NA
Sociology	14,472	NA	NA
Social sciences, n.e.c.	148,265	NA	NA
Other sciences, n.e.c.	400,051	424,914	464,544

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal years 1999, 2000, and 2001.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A.

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001